



SWATHI K S

Medical Microbiology Technologist | Microbiologist / Clinical Microbiologist | Quality Control Microbiologist | Food Microbiologist | Food Safety Officer

Microbiologist with two years of laboratory experience and an MSc in Microbiology, focused on microbiological testing, quality control, food and water analysis, and contamination prevention. Skilled in HACCP, ISO/IEC 17025, and Good Laboratory Practices, with certified training in food safety management and medical microbiology. Experienced in performing sterility testing, pathogen detection, and microbial enumeration across food, water, and pharmaceutical samples. Holds DHA Allied Health Professional qualification as a Medical Microbiology Technologist and Highfield Level 3 and Level 4 certifications. Seeking roles in food quality control, water testing, and food safety across the UAE.



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Ajman, UAE



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CORE COMPETENCIES

Microbiological Testing & Pathogen Identification Sterility Testing, Total Bacterial Count, Total Fungal Count & Microbial Limit Testing

Environmental Monitoring and Water Analysis Food, Pharmaceutical, and Clinical Microbiology Food Safety Management

Quality Documentation, SOPs, and Laboratory Records Aseptic Technique and Contamination Prevention

WORK EXPERIENCE

MICROBIOLOGIST

AMMA HI-TECH LABORATORY

June 2022 – June 2024

Kerala, India

- Conducted microbiological testing of food, water, and pharmaceutical samples using standard testing methods to assess product safety and quality.
- Performed Total Bacterial Count, Total Fungal Count, sterility testing, and pathogen detection to ensure pharmaceutical product quality and regulatory compliance.
- Prepared, sterilized, and maintained culture media, reagents, and laboratory materials in accordance with Standard Operating Procedures.
- Applied aseptic techniques and contamination prevention practices to maintain sample integrity and ensure reliable microbiological test results.
- Documented test results accurately and maintained laboratory records to support traceability and quality audits.

MICROBIOLOGIST TRAINEE

DAYA GENERAL HOSPITAL

2019

Kerala, India

- Assisted in interpreting culture results and observing microbial growth patterns for routine laboratory investigations.
- Maintained laboratory registers and recorded test observations following sample handling and traceability procedures.
- Supported senior microbiologists in daily laboratory operations and sample processing.
- Followed biosafety practices and confidentiality protocols while handling patient samples.
- Participated in routine clinical microbiology workflows to understand diagnostic processes.
- Gained exposure to microbial identification methods and laboratory documentation standards.

INTERSHIP

DAYA GENERAL HOSPITAL

2018

Kerala, India

- Gained practical exposure to routine clinical microbiology workflows and the role of microbiological investigations in disease diagnosis.
- Observed sample collection, processing, and reporting procedures under supervision.
- Assisted in maintaining cleanliness and organization of laboratory work areas.
- Followed standard operating procedures for sample handling and documentation.
- Developed foundational understanding of clinical microbiology testing methods.

EDUCATION

MASTER OF SCIENCE (M.Sc.) IN MICROBIOLOGY

Bharathiar University

BACHELOR OF SCIENCE (B.Sc.) IN MICROBIOLOGY

Bharathiar University

PROFESSIONAL LICENSE AND CERTIFICATIONS

- Allied Health Professional – Medical Microbiology Technologist — Dubai Health Authority (DHA), September 2025
- Level 4 International Award in Food Safety for Management — Highfield UK, November 2024
- Level 3 HACCP for Food Manufacturing — Highfield UK, November 2024
- Medical Coding — CHISS (Center for Health Information Studies & Solutions), April 2021

RESEARCH PROJECT

Isolation and Identification of Amylase-Producing Bacteria from Decayed Tapioca

ALBIO Labs | Kuttipuram, Kerala, India | January 2024 – February 2024

- Isolated and screened amylase-producing bacterial strains from decayed tapioca using selective plating and biochemical characterization techniques.
- Conducted enzyme activity assays to evaluate amylase production and assess potential applications of identified bacterial isolates.
- Applied molecular identification techniques, including 16S rRNA sequencing, for bacterial classification.
- Identified organism: *Bacillus cereus*.

PROFESSIONAL SKILLS

- Culture media preparation, sterilization, and maintenance
- Pathogen detection and microbial identification techniques
- Biochemical characterization and 16S rRNA sequencing
- Laboratory record keeping and traceability procedures
- Sample handling, storage, and chain of custody compliance
- Quality control testing and specification verification
- MS Office Suite (Word, Excel, PowerPoint)
- Basic laboratory instrument operation
- Internet and email communication

LANGUAGES

- English
- Malayalam

VISA DETAILS

Visa Status: Family Visa

